Recreational Use Attainability Analysis

Cover Sheet

| Wate | r Body Name: Quick Creek | |
|----------|---|--|
| | r Body Identification #: 1648 | |
| | | |
| Comp | oleted UAA Checklist: | |
| G | Pre-Field Preparatory Data Sheet | |
| G | Maps with actual survey sites marked | |
| G | Data Sheet A | |
| G | Data Sheet $B - 3$ of 3 pages for each site | |
| | Number of Sites: | |
| G | Data Sheet C (if applicable) | |
| | O Number of Interviews: | |
| G | Photographs | |
| | Quantities | |
| | Upstream | |
| | • Downstream | |
| | ■ Other | |
| | | |
| | | |
| I, the n | indersigned haraby office to the last of | |
| is true | and accurate. | owledge, that all information reported in this UAA |
| | | |
| Ci 1 | () | |
| Signed: | | Date: 07-05-66 |
| Printed | Name: CHAD E. BANDOUR | _Telephone #: 410-356-8913 |
| Organiz | ration: TOTAL TECH INC | Position: SCIGNT IS T |
| | | |

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

| Water Body Name: (from USGS 7.5' quad) Quick | Creek |
|--|--|
| 8-digit HUC: | Missouri Water Pody Idontify (WDV) |
| County: Montgomery | 1 Water Body Identification (WBID) #: 1648 |
| | 1596524, -89, 8127401 |
| D | |
| Discharge Facilia M. | |
| Discharger Permit Number(s): Whitele | |
| Weather Conditions for Past 7 days: | 1.1015 |
| conditions for I ast / days. | |
| | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

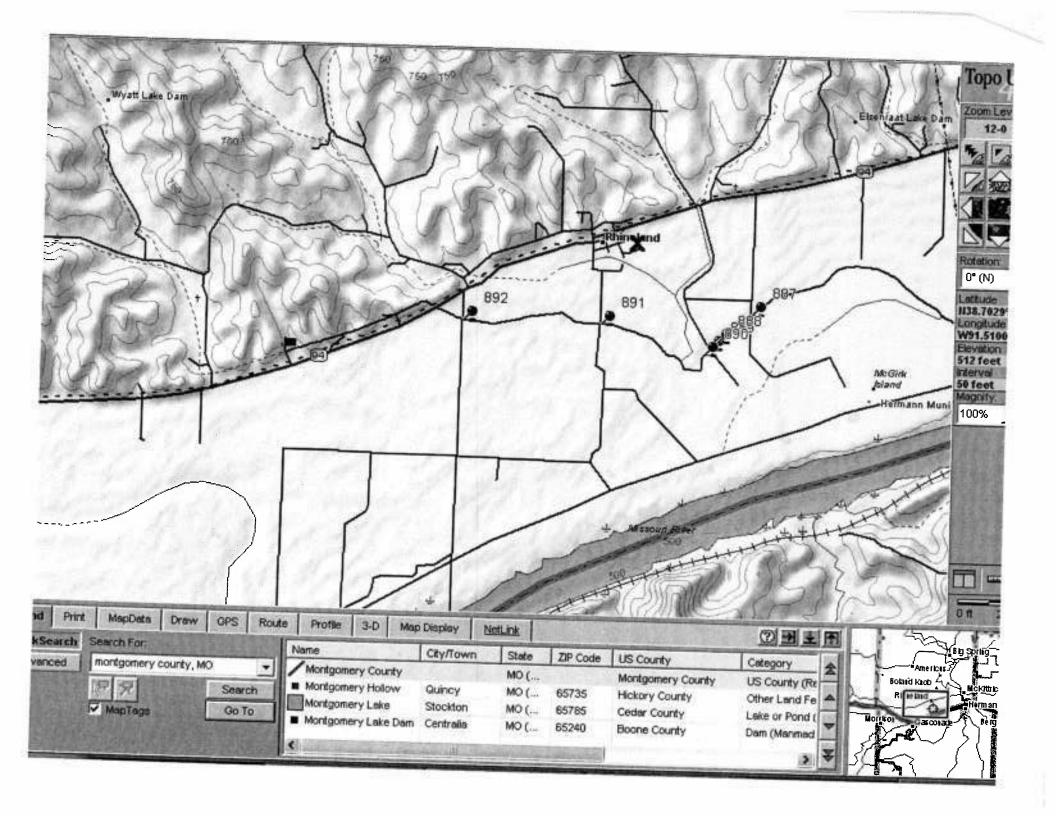
WBID #_[648

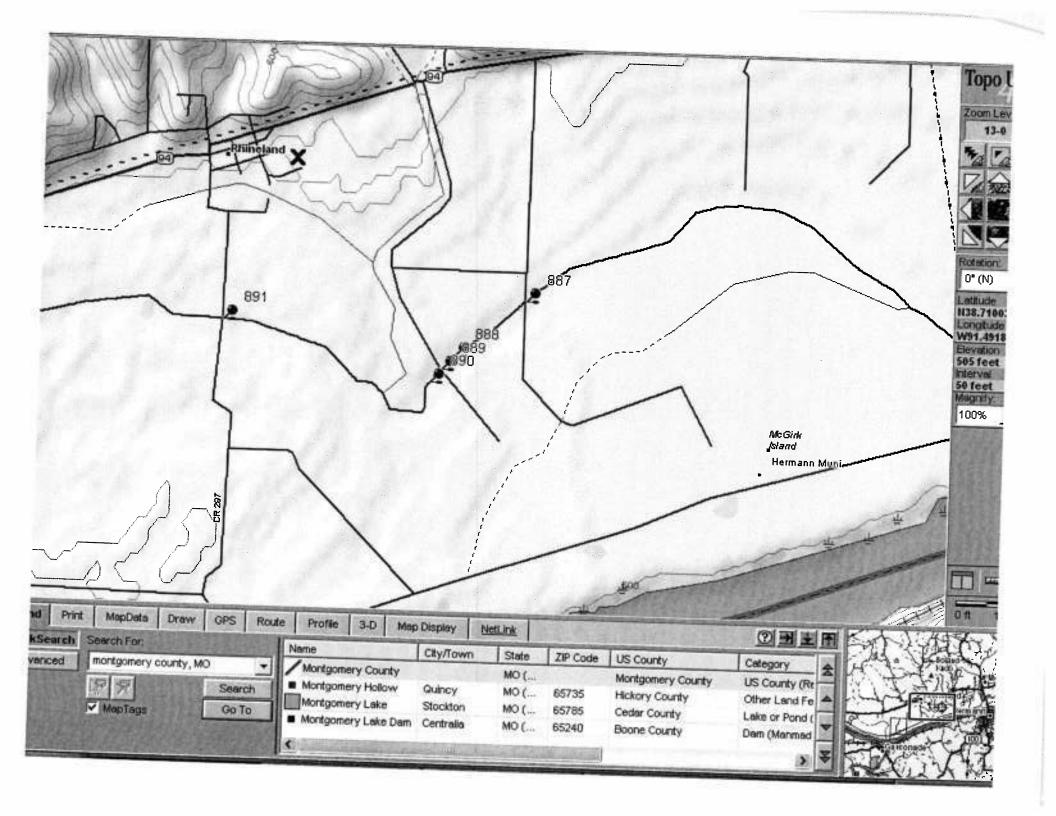
Date: <u>67 / 05 / 2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

| Water Body Name: Quick Creek |
|---|
| WBID #: 16 48 |
| Upstream Coordinates: |
| (WGS 84, ddd.dddd) 38.71068, 091.53257 |
| Downstream Coordinates: |
| (WGS 84, ddd.ddddd) 3971172, 091, 50063 |
| Current Weather Conditions: Ho T DAY |
| Number of Sitor Fuel 1 |
| Name(s) of Surveyor(s): |
| Name(s) of Surveyor(s): Chad Barbour John Roberts |
| |





WBIE # 1648 Site # 887

Date: 06 / 21 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

| Latitude (ddd.dddd): | | | Arrival Time | : |
|--|-------------------------|--|-----------------------------|-----------------------------|
| Photo Ids: Unstream | 1: 091.50063 A | ACL: 27.957 | | |
| Photo Ids: Upstream | 1: 0581 | Downstream: 05%2 | | |
| | | AC\$3 - | Other: | |
| | | | Accuss | • |
| arrative Description | n of Location: (De | escribe access point to stream, n | | |
| AT MEGENIC PO | AD CHOSSING. | notifie access point to stream, n | earby roads, landmarks, et | rc.) |
| | | | | |
| | | | | |
| Irrounding Canditi | mo*./1. | | | |
| ms of interest.) | Mark all that | promote or impede recreational | uses. Attach photos of evi- | dence or unusual |
| ☐ City/county parks | | | | and of unusual |
| | ☐ Playgrounds | ☐ MDC conservation lands | ☐ Urban areas | ☐ Campgrounds |
| ☐ Boating accesses | ☐ State parks | ☐ National forests | ☐ Nature trails | |
| ☐ No trespass sign ☐ Fence | | ☑ Steep slopes | | ☐ Stairs/walkway |
| uman Haar Ol | | | TO OTHER. AGAZENUTU | 186 - SEE PASTOS 058 |
| man Uses Observed | <u> *:</u> | | | 0 53 0 23 |
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | | ☐ Water skiing |
| ☐ Hunting | ☐ Trapping | | □ Wading | ☐ Rafting |
| Describe: (include numb | er of individuals recre | Fishing Pating, frequency of use, photo- | None of the above | ☐ Other: |
| | | or use, photo- | documentation of evidence | e of recreational uses, etc |
| | | | | |
| | | | | |
| | | | | |
| lence of Human Use | . *• | • | | |
| Roads | | | | |
| | ☐ Foot paths/prints | ☐ Dock/platform | ☐ Livestock Watering | ☐ RV / ATV Tracks |
| ☐ Rope swings ☐ Camping Sites | | ☐ Fire pit/ring | ☐ NPDES Discharge | |
| Other: | | | genurge | ☐ Fishing Tackle |
| | | | | |
| 0 | trash dumping tirac | , drainages, discharges, etc.) | | |
| ces of Pollution: (e.g | , and admping, thes | | | |
| ces of Pollution: (e.g GATCULTURG - SEG | PHO 70> 0581,0 | 582 . 0524 | | |

06/21/2006

WBID # 1548 Site # 887

Date: 06 / 21 / 2006

Surface Deposit:

□ Oil

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology: Upstream View Physical Dimensions: 0.35, 0.34, 8 4 2 ~ Distance from Width (m) access point (m) Length (m) Avg. Depth (m) Max Depth (m) □ Riffle □ Run Pool 12 5.3 12 0.37 0.42. ☐ Flow Present? □ Yes ☑ No Velocity (ft/sec): Downstream View Physical Dimensions: 0.85 >Im* >Im. *- ESTEMATED EVE TO DECTH & TUBES. Distance from Width (m) access point (m) Length (m) Avg. Depth (m) Max Depth (m) □ Riffle □ Run □ Pool 15 7.3 15 <u>71.0 *</u> >1.0 ☐ Flow Present? ☐ Yes ☑ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble 10 40 % Gravel % Sand % Silt 25 25 % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) EXTENSIVE ALGAL GROWTH THROUGHOUT: SEE (11370 0581; 70% OF STREAM AFFECTED. Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage ☐ Musky ☐ Chemical M None ☐ Other: Color: □ Clear ☑ Green ☐ Gray ☐ Milky ☐ Other: Bottom Deposit: ☐ Sludge

☐ Foam

☐ Fine sediments

□ None

☐ Other:

☐ Solids

☑ Scum

 $[\]square$. None Other: ALGAE *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

| WBIL | ŧ | 1648 Site# | 887 |
|-------|----|------------|-----|
| Date: | Δ(| . 01 . 014 | |

Data Sheet B - Site Characterization – 3 of 3

| Comments: Phase lescribe any departures from protocol a conditions, problems in measuring, site relocation). | and the reasons for departure (e.g., unanticipated unique local |
|--|---|
| NONE | |
| | |
| | |
| | |
| | |

| WBIFe | Site# | 887 |
|-------|-----------|-----|
| | | |

Date: 06 81 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

| | | | Ser cam B | urveys |
|-----------------|-------------------------------|----------------------------|---------------------------|----------------|
| | 0.4.1 | Data Sheet C | – Interviews | |
| | (Make additi | onal copies as nece | essary for multiple into | erviews) |
| 1. Do you live | e in the area? | | 1 | or views) |
| If so, he | ow long have yo | I Yes ∐ No | | |
| | | | | |
| 2. Have you p | ersonally used th | his water body for r | recreation since 1975? | |
| If so, pl | ease check ALL | that apply: | cercation since 19/5? | Y ⊔ Yes □ No |
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | T |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | | ☐ Water skiing |
| ☐ Hunting | ☐ Trapping | ☐ Fishing | □ Wading | ☐ Rafting |
| | 1pping | L Fishing | ☐ None of the above | ☐ Other: |
| How oft | en do you use it | for recreation? | | |
| | G More than | 5 times per year | | |
| | G = 1 - 5 time | s per vear | | |
| | G Less than | 1 time per year – p | leace doco n't | |
| | | per year – p | lease describe: | |
| ☐ Swimming | ase check ALL the Skin diving | nat apply: □ SCUBA diving | for recreation since 1 | |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Water skiing |
| ☐ Hunting | ☐ Trapping | ☐ Fishing | | ☐ Rafting |
| | | | ☐ None of the above | Other: |
| How ofter | i have you obser | ved it being used fo | or recreation? | |
| ~ | s word man | umes per vear | | |
| 9 | - 5 (111100) | per year | | |
| G | Less than 1 | time per year – ple | ase describe: | |
| | | | | |
| Additional Con | mments: | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| ntact Informati | ion (if willing to | provid-\ | | |
| me. | (11 willing to | provide): | | |
| dress: | | | | |
| ephone #: | | | | |

Telephone #:

WBÌD #____1648____ Site #_____888

Date: 06 / 21 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

| | | a Sheet B must be complet | ed for each site) | | |
|---------------------------------|--|---|--|------------------------------------|--|
| Latitude (ddd.dddd): | 38.71048 | | Arrival Time | | |
| Longitude (ddd.dddd | 1): 091,51603 | | 14 2 | | |
| Photo Ids: Upstrear | n: 0591 | ACC. 21.8FT. Downstream: 0512 | | | |
| | | - Modelin. Us 2 | Other: | | |
| | | 0513 - A61 | ATCULTURE | | |
| arrative Description | n of Location. | | | | |
| 100m DOWNTHEA | MOF CA SAT | escribe access point to stream, n | earby roads, landmarks, et | c.) | |
| | | Link CHIODDWAG. | | | |
| | | | | | |
| rrounding Canditi | one*.a | | | | |
| ns of interest.) | • (Mark all that | promote or impede recreational | uses. Attach photos of evid | dence or unusual | |
| ☐ City/county parks | ☐ Playgrounds | T | T | | |
| ☐ Boating accesses | | ☐ MDC conservation lands | ☐ Urban areas | ☐ Campgrounds | |
| | ☐ State parks | ☐ National forests | ☐ Nature trails | ☐ Stairs/walkway | |
| ☐ No trespass sign | ☐ Fence | ☑ Steep slopes | Other: AGATOME | NE, SEE PHOTO 050 | |
| man Uses Observe | d*: | | | 101266 6119 12 02 | |
| ☐ Swimming | ☐ Skin diving | | | | |
| ☐ Wind surfing | | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing | |
| ☐ Hunting | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Rafting | |
| Describe: (include num | Trapping | ☐ Fishing | None of the above | | |
| | ser of marviduals feer | ☐ ☐ Fishing eating, frequency of use, photo-o | documentation of evidence | of recreational uses et | |
| | | | • | , - | |
| | | | | | |
| | | | | | |
| | | | | | |
| ence of Human Us | e*: | | | | |
| ence of Human Us | T | | | | |
| Roads · | ☐ Foot paths/prints | | ☐ Livestock Watering | □ RV / ATV Tracks | |
| Roads Rope swings | T | ☐ Dock/platform☐ Fire pit/ring | ☐ Livestock Watering ☐ NPDES Discharge | ☐ RV / ATV Tracks ☐ Fishing Tackle | |
| Roads · | ☐ Foot paths/prints | | | ☐ RV / ATV Tracks ☐ Fishing Tackle | |
| Roads Rope swings Other: None | ☐ Foot paths/prints ☐ Camping Sites | ☐ Fire pit/ring | | | |
| Roads Rope swings Other: None | ☐ Foot paths/prints ☐ Camping Sites | | | | |
| Roads Rope swings Other: None | ☐ Foot paths/prints ☐ Camping Sites | ☐ Fire pit/ring | | | |
| Roads Rope swings Other: None | ☐ Foot paths/prints ☐ Camping Sites g., trash dumping, tires (HOTO 0513) | ☐ Fire pit/ring | | | |

06/21/2006

Date: 06 / 21 / 2006

Data Sheet B - Site Characterization - 2 of 3

| Stream Morphology: | | | | |
|------------------------------------|-----|--------|---------|-----|
| Upstream View Physical Dimensions: | Dav | \$7046 | سو بن پ | 014 |

| | Distance from access point (m |) Widt | Day stagaged h (m) Len | gth (m) | 70 659 Avg. Depth (m) | M. D. |
|---------------------------------------|-------------------------------|-----------------|-------------------------|-----------------|----------------------------|---------------|
| ☐ Riffle | | | | | g. behm (m) | Max Depth (m) |
| □ Run | | | | | | |
| □ Pool | | | | | | |
| □ Flow | Present? | es 🗆 No | Velocity | (ft/ggs) | | |
| D. | | | | <u>-</u> | | |
| <u>Downstrean</u> | 1 View Physica | l Dimensions | : DRY STOEMAS | 63. SEC 8H | 170 0603 | |
| | access point (m) | Width | | th (m) | Avg. Depth (m) | M. D. |
| □ Riffle | | | | | - Se Deptii (iii) | Max Depth (m) |
| □ Run | | | | | | |
| □ Pool | | | | | | |
| □ Flow I | Present? | s □ No | Velocity (1 | 2/> | | |
| | | | | | | |
| strate*: (Th | ese values should a | dd up to 100%.) | | | | |
| % Co | bble % | Gravel | % Sand 5 | 8 % Silt | 50 % Mud/Clay | % Bedroc |
| atic Vegetat | ion*: (Note amou | int of wageted | or algal growth at the | | | I section |
| 4 QUATIC VI | OGETATION PAG | values Sec | or algal growth at the | assessment site | e.) OF STACAMBED HE | |
| | | • | 03410 | 05 12; 50% | OF STALAMBED AF | FECTED. |
| | | | | | | |
| er Characte | ristics*: (Mark a | ll that apply) | | | | |
| Odor: | ☐ Sewage | ☐ Musky | ☐ Chemical | | | |
| olor: | □ Clear | ☐ Green | | □ None | Other: | NA |
| · · · · · · · · · · · · · · · · · · · | | | ☐ Gray | ☐ Milky | ☐ Other: | NIA |
| ottom Deposit: | ⊔ Sludge | | | | | |
| ottom Deposit: | □ Sludge □ Oíl | | ☐ Fine sediment. ☐ Foam | s 🗆 None | ☐ Other: | NIA |

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

5

WBID #_____ Site #____ 888

Date: 06 / 21 / 2006

Data Sheet B - Site Characterization - 3 of 3

| Comments: Please describe any departures from protection by | |
|---|---|
| Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local | |
| SITE MOVED TO LOCATION WITH RETT. A ACCUSE OF | |
| ACCESSIBLE, ROAD ON MAR NOT FOUND. | |
| | |
| | |
| | |
| | |
| | _ |
| | _ |
| | |

WB10 # 1648 Site # 888

Date: 06 21 / 2004

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

| | ersonally used the | nis water body for r that apply: | ecreation since 1975? | Yes □ No |
|----------------|--------------------|---|------------------------|--------------------------|
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | □ Wading | Rafting |
| ☐ Hunting | ☐ Trapping | ☐ Fishing | ☐ None of the above | Other: |
| | | 1 time per year – plant ing this water body hat apply: | for recreation since 1 | 975? □ Yes · □ No |
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | □ Woton -l-: |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Water skiing ☐ Rafting |
| ☐ Hunting | ☐ Trapping | ☐ Fishing | ☐ None of the above | ☐ Other: |
| How often | 1 - 5 times | ved it being used fo times per year per year time per year – ple | | |
| G G | | | | |
| | | | | |
| G | | | | |

WBID #_ 1648 Site # _ 289

Date: 06 / 21 / 2016

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

| | 38.71022 | | Arrival Time | : 1.1.2 | |
|----------------------|-------------------------|----------------------------------|-------------------------------|---------------------------|--|
| Longitude (ddd.dddd | | (6) 13.5FT. | | 1403 | |
| Photo Ids: Upstream | n: 6538 | Downstream: 0589 | Other: | | |
| 7 | | | | | |
| | | 0540-AGRIC. | | | |
| 100 on Power Au | n of Location: (D | escribe access point to stream | , nearby roads, landmarks, et | tc) | |
| TOOK C POVETED THE | MOF CIX 250 | Road Crossang. | , | | |
| | | | | | |
| rrounding Canditi | one*• (Mark Har | | | | |
| ns of interest.) | • (Wark all that | promote or impede recreation | al uses. Attach photos of evi | dence or unusual | |
| ☐ City/county parks | ☐ Playgrounds | ☐ MDC conservation land | | | |
| ☐ Boating accesses | ☐ State parks | ☐ National forests | areas | ☐ Campgrounds | |
| ☐ No trespass sign | ☐ Fence | ☐ Steep slopes | □ Nature trails | ☐ Stairs/walkway | |
| • | | oteep stopes | M Other: AGASCULTU | ng-set parts 0540 | |
| man Uses Observe | | | | | |
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing | |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Rafting | |
| Hunting | ☐ Trapping | ☐ Fishing | | | |
| sesembe. (merude num | per of individuals recr | eating, frequency of use, photos | to-documentation of evidence | e of recreational uses et | |
| | | | | 4005, 01 | |
| | | | | | |
| | | | | | |
| ence of Human Us | e*: | | | | |
|] Roads | ☐ Foot paths/prints | S Dook/slat | | | |
| 1 p . | ☐ Camping Sites | - The platform | ☐ Livestock Watering | □ RV / ATV Tracks | |
| Rope swings | | ☐ Fire pit/ring | ☐ NPDES Discharge | ☐ Fishing Tackle | |
| / | | | | | |
| Other: NONE | | | | | |
| Other: NONE | g., trash dumping, tire | s, drainages, discharges, etc.) | | | |
| Other: NONE | g., trash dumping, tire | s, drainages, discharges, etc.) | | | |

06/21/2006

Data Sheet B - Site Characterization - 2 of 3

| | View Physical Dir Distance from access point (m) | Width (m | | ength (m) | Avg. Depth (m) | M |
|---------------|--|-------------------------------------|-------------------------|---------------------------------------|----------------|---------------|
| ☐ Riffle | | | | | g. Bepth (m) | Max Depth (n |
| □ Run | | | | | | |
| Pool | 5100 DS | 3.0 | | | | |
| ☐ Flow | Present? | ☑ No | Veloc | ity (ft/sec): | 0.19 | 0.20 |
| ☐ Riffle | n View Physical I Distance from access point (m) | Width (m) | | ngth (m) | Avg. Depth (m) | Max Depth (m |
| □ Riffle | access point (III) | () | 1.6 | ngu (III) | Avg. Depth (m) | Max Depth (m) |
| □ Run | | | | | | |
| □ Pool | ≈ 100 ps | 1.8 | | 1 | 2.20 | |
| □ Flow | Present? | ☑ No | Velocit | y (ft/sec): | 0,30 | 0.31 |
| atic Vegeta | tion*: (Note amount | of vegetation or a カモッタルレルナー 下内の | % Sand lgal growth at | 50 % S the assessment EE photos | Cay | 1 Double |
| | eristics*: (Mark all t | nat apply.) | | | | |
| er Characte | | □ Musky | ☐ Chemical | 19 Nor | ne 🗆 Other: | |
| dor: | ☐ Sewage | L IVIUSKY | | | U Omer: | |
| dor: olor: | □ Clear | ☐ Green | □ Gray | | | TUNGTO BALLN |
| dor: | ☐ Clear ☐ Sludge | | | □ Mill | ky 🗹 Other: | tungto Graun |

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 1648 Site # 889

Date: 06 / 21 / 2006

Data Sheet B - Site Characterization - 3 of 3

| Comments: Please describe any departures from protocol and de |
|---|
| Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation). |
| ACCESS BOAD ON MAR NAT LOCATED |
| ACCESSO ROAD ON MAP NOT LOCATED. |
| |
| |
| |
| |
| |

WBID# 1148 Site# 889

Date: 06 / 21 / 2006

NONG

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

| 2. Have you po | | u lived here? his water body for r that apply: | ecreation since 1975? | ?□Yes□No |
|---|--|---|--|--------------------------|
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | □ Wading | ☐ Rafting |
| ☐ Hunting | ☐ Trapping | □ Fishing | ☐ None of the above | Other: |
| | G Less than | 1 time per year – p | eace describ | |
| | | | | |
| | served others usi | ing this water had | for recreation since 1 | 975? □ Yes · □ No |
| ☐ Swimming | Served others using the check ALL to Skin diving | ing this water had | | |
| ☐ Swimming ☐ Wind surfing | Served others using the check ALL the second Skin diving Kayaking | ing this water body hat apply: SCUBA diving Boating | for recreation since 1 | ☐ Water skiing |
| ☐ Swimming ☐ Wind surfing ☐ Hunting | Served others using the check ALL the second | ing this water body hat apply: SCUBA diving Boating Fishing | for recreation since 1 Tubing Wading None of the above | |
| ☐ Swimming☐ Wind surfing☐ Hunting | Served others using the second secon | ing this water body hat apply: SCUBA diving Boating Fishing ved it being used for times per year | for recreation since 1 Tubing Wading None of the above or recreation? | ☐ Water skiing ☐ Rafting |
| ☐ Swimming ☐ Wind surfing ☐ Hunting How often G | Served others using se check ALL the Skin diving Skin Branch Skin Skin Skin Skin Skin Skin Skin Skin | ing this water body hat apply: SCUBA diving Boating Fishing Ved it being used for times per year per year | for recreation since 1 Tubing Wading None of the above or recreation? | ☐ Water skiing ☐ Rafting |
| ☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How often ☐ G ☐ G | Served others using se check ALL the Skin diving Skin Branch Skin Skin Skin Skin Skin Skin Skin Skin | ing this water body hat apply: SCUBA diving Boating Fishing Ved it being used for times per year per year | for recreation since 1 Tubing Wading None of the above or recreation? | ☐ Water skiing ☐ Rafting |

Telephone #:

WBID # 1648 Site # 890

Date: 05 / 2/ / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

| Latitude (day 111) | (11 separate Dat | a | eet B must be complet | ed for each site) | | |
|-------------------------|------------------------|-------------|------------------------------|----------------------------|----------------------|--|
| Latitude (ddd.dddd): | | | | Arrival Time | | |
| Longitude (ddd.dddd) | | | Acc', 34,5 FT. | 134. | | |
| Photo Ids: Upstream | : 0585 | Dow | Instream: a C 3 / | Other: | | |
| | L BIKING TOWI | C (| M3060 | Other: | | |
| | | | MAINFOU POSE | | | |
| irrative Description | of Location: (D | escril | pe access point to stream, n | | | |
| AT RT. 94 ROAD | CB0353/6- | | - access point to stream, in | earby roads, landmarks, et | c.) | |
| | | | | | | |
| | | | | | | |
| rrounding Condition | ons*: (Mark all that | pron | note or impede recreational | lises Attach where s | • | |
| | | | | uses. Attach photos of evi | dence or unusual | |
| ☐ City/county parks | ☐ Playgrounds | | MDC conservation lands | ☐ Urban areas | [] Company | |
| ☐ Boating accesses | ☐ State parks | | National forests | ☑ Nature trails | Campgrounds | |
| ☐ No trespass sign | ☐ Fence | 13 | Steep slopes | | ☐ Stairs/walkway | |
| man Uses Observed | | | | Concr. AGN 16 VETU | pe-see prity 058 | |
| | | | | | | |
| ☐ Swimming | ☐ Skin diving | | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing | |
| ☐ Wind surfing | ☐ Kayaking | | ☐ Boating | ☐ Wading | ☐ Rafting | |
| Hunting | ☐ Trapping | | ☐ Fishing | | | |
| Jescribe: (include numb | er of individuals recr | eatin | g, frequency of use, photo- | documentation of evidence | of recreational uses | |
| ence of Human Use | 3*· | | | | | |
| Roads | ☐ Foot paths/prints | | ☐ Dock/platform | | | |
| Rope swings | ☐ Camping Sites | - | | ☐ Livestock Watering | □ RV / ATV Tracks | |
| | ping ones | | ☐ Fire pit/ring | ☐ NPDES Discharge | ☐ Fishing Tackle | |
| Other: BIKING 7 | MATE BARDGE - | - Sec | 1 14070 0585 | | | |
| es of Pollution: (e.g | trash dumning tire | | inages, discharges, etc.) | | | |
| FAICULTURE -SEE | PHOTO 0586 | ., | ges, discharges, etc.) | | | |
| | | | | | | |
| | | (| 11211 | | • | |
| | | O. | 6/21/2006 | | | |
| | | C | 16/21/2006 | | | |

| | 2. / 2010 | | | | |
|--|---|------------------------------------|--------------------|---------------------|---------------|
| | Data | a Sheet B - Site Cha | racterization – 2 | of 3 | |
| ream Mor | phology: | | | | |
| Upstream | View Physical Din | nensions: 0,35, 0% | ~ ~ 0.35~ | | |
| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | M D |
| □ Riffle | | | | . 1. g. Depth (III) | Max Depth (m |
| □ Run | | | | | |
| □ Pool | 11 | 06-21-06-31 4.8 06-21-06-31 4.8 | | | |
| Flow | Present? | ✓No | 11 | 0.36 | 0.37 |
| | | | Velocity (ft/sec): | | |
| <u> Downstrea</u> | m View Physical D | imensions: 0,>2, 0 | LYS A.Br | | |
| | Distance from access point (m) | Width (m) | Length (m) | | |
| ☐ Riffle | access point (iii) | | Dength (III) | Avg. Depth (m) | Max Depth (m) |
| □ Run | | | | | |
| - Kun | 8 | | | | |
| | | 21 | 8 | 0.32 | 0.35 |
| □ Pool | D | | | | |
| | Present? | ☑ No | Velocity (ft/sec) | | |
| □ Pool ☑ Flow | | | Velocity (ft/sec): | | |
| □ Pool □ Flow strate*: (1 | These values should add | up to 100%.) | | | |
| □ Pool □ Flow strate*: (1 5 % (| These values should add Cobble 5 % Gr | up to 100%.) avel 10 % San | nd 40 %S | 10 70 Made Clay | % Bedroo |
| □ Pool □ Flow strate*: (1 5 % (2) atic Veget | These values should add Cobble 5 % Gr. ation*: (Note amount of | up to 100%.) avel 10 % San | nd 40 %S | 10 70 Made Clay | |

☐ Chemical

Fine sediments

☐ Gṛay

 \square Foam

None

☐ Milky

□ None

☑ None

☐ Other:

MOther:

☐ Other:

☐ Other:

TURBOO GROWN

Odor:

Color:

Bottom Deposit:

Surface Deposit:

☐ Sewage

☐ Clear

☐ Sludge

□ Oil

☐ Musky

☐ Green

☐ Solids

☐ Scum

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WB 56 / 1648 Site # 890

Date: 06 21 / 2006

Data Sheet B - Site Characterization - 3 of 3

| Controvers of Figure describe any denartures from protocol and the control of the |
|--|
| Confession Figure describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions in measuring, site relocation). |
| - STITE MIVED TO ANDA WITH ACCUS! DATGTON ! |
| MOAD WHICH OMIGINAL SITE WAS LOCATED OR COULD NOT BE FOUND. |
| 100 WE 130MY. |
| |
| |
| |
| |

Willia 1648 Site# 290

Date: 06 20 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

| for the second second | | ☐ SCUBA diving | recreation since 1975? | |
|--------------------------|---|--|------------------------------------|--------------------|
| Amalyzating | ☐ Kayaking | ☐ Boating | □ Wading | ☐ Water skiing |
| l salding | ☐ Skin diving ☐ Kayaking ☐ Trapping | ☐ Fishing | ☐ None of the above | ☐ Rafting ☐ Other: |
| -}ra ∈ you ob: | G Less than | | | |
| | ise check ALL th | nig inis water body hat apply: | for recreation since 1 | 975? □ Yes · □ No |
|] or maining | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing |
| Was surfana | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Rafting |
| | | - sumg | | i C Kalung |
| With surfing Hawaig | | ☐ Fishing | ☐ None of the above | Other: |
| Morrange . | ☐ Trapping have you obser More than 5 1 - 5 times | ☐ Fishing ved it being used for times per year per year | ☐ None of the above | □ Other: |
| Howing How ofter | ☐ Trapping have you obser More than 5 1 – 5 times Less than 1 | ☐ Fishing ved it being used for times per year per year | ☐ None of the above or recreation? | □ Other: |
| Howaig How ofter G | ☐ Trapping have you obser More than 5 1 – 5 times Less than 1 | ☐ Fishing ved it being used for times per year per year | ☐ None of the above or recreation? | □ Other: |

Telephone #

WBID #_ 1648 _ Site # ____891

Date: 06 / 21 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3
(A separate Data Sheet B must be completed for each site)

| Longitude (ddd ddda) | 38.71058 | | Arrival Time: | | |
|------------------------------------|------------------------|--------------------------------|---|-----------------------------|--|
| Photo Idea II | · 032. 091.5 | 1735 ACC: 25.4FT | 12 | 40 | |
| Photo Ids: Upstream | : 6577 | Downstream: 0578 | Other: | | |
| | | 0579 - BUCKET | IN STRUMBA 0580-Acces | | |
| arrative Description | of I and | | | | |
| AT cm 217 | ROAD CAUSSI | escribe access point to stream | n, nearby roads, landmarks, et | c.) | |
| | | 7° (g. | | | |
| | | | | | |
| rrounding Condition | ons*: (Mark all that | promote or impade records: | nal uses. Attach photos of evid | | |
| | | | nal uses. Attach photos of evid | dence or unusual | |
| ☐ City/county parks | ☐ Playgrounds | ☐ MDC conservation land | ds Urban areas | П. | |
| ☐ Boating accesses | ☐ State parks | ☐ National forests | ☐ Nature trails | Campgrounds | |
| ☐ No trespass sign | ☐ Fence | ☑ Steep slopes | | ☐ Stairs/walkway | |
| man Uses Observed | 14. | | - Collett. AGIT I COLTO | NE- SEE PHOTOS 057 | |
| ☐ Swimming | T | | | 0 5 / | |
| | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing | |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Rafting | |
| ☐ Hunting Describe: (include numb | Trapping | ☐ Fishing | None of the above | | |
| (- Total name | er or marviduals recr | eating, frequency of use, pho | None of the above oto-documentation of evidence | e of recreational uses, etc | |
| | | | • | | |
| | | | | | |
| | | - | | | |
| ence of Human Use | <u>;</u> *: | | | | |
| Roads | ☐ Foot paths/prints | 5 □ Dock/platform | | | |
| Rope swings | ☐ Camping Sites | ☐ Fire pit/ring | ☐ Livestock Watering | □ RV / ATV Tracks | |
| Other: | 1 3 | inc plotting | ☐ NPDES Discharge | ☐ Fishing Tackle | |
| | | | | | |
| ces of Pollution: (e.g | ., trash dumping, tire | s, drainages, discharges, etc. |) | | |
| BATCHLTURE - SEE | PHO705 0577 . | 0578 |) | | |
| | | | | | |

06/21/2006

Data Sheet B - Site Characterization - 2 of 3

| Stream | Morphology: |
|--------|-------------|
|--------|-------------|

Upstream View Physical Dimensions: 0.27 0.31, 0.30m Distance from Width (m) access point (m) Length (m) Avg. Depth (m) Max Depth (m) □ Riffle □ Run ☐ Pool 8.0 4.9 8.0 0.29 0.31 ☐ Flow Present? ☐ Yes No No Velocity (ft/sec): Downstream View Physical Dimensions: * Dry STREAMBLY - SEE PHOTO 0578 Distance from Width (m) access point (m) Length (m) Avg. Depth (m) Max Depth (m) □ Riffle ☐ Run □ Pool ☐ Flow Present? ☐ Yes □ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble 5 % Gravel % Sand 45 % Silt 50 % Mud/Clav % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) A QUATTE PLANTS PRESENT IN CENTER OF DOWNSTREAM SECTION-SEC PROTO 0578:50 % OF STREAM REACH AFFECTED Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage ☐ Musky ☐ Chemical Mone None ☐ Other: Color: ☐ Clear ☐ Green ☐ Gray TURBIO BROWN ☐ Milky Other: Bottom Deposit: ☐ Sludge ☐ Solids Fine sediments □ None ☐ Other: Surface Deposit: □ Oil □ Scum ☐ Foam ☑ None

☐ Other:

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

| WBID | # | 11 | 48 | _ Site # _ | 891 | |
|-------|---|----|----|----------------|-----|---|
| Date: | | | | | | - |

Data Sheet B - Site Characterization – 3 of 3

| Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation). |
|---|
| NONE |
| |
| |
| |
| |

Date: 06 / 21 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

| II so, ho | | u lived here? | | |
|---|--|--|--|--------------------------|
| 2. Have you p | ersonally used the | his water body for it that apply: | recreation since 1975? | ? □ Yes □ No |
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | [] Woton al.: |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Water skiing ☐ Rafting |
| ☐ Hunting | ☐ Trapping | ☐ Fishing | ☐ None of the above | Other: |
| 2 11 | | | | |
| Have you obs | served others usi | ing this water hody | for roomanting : | |
| | | Терріу. | for recreation since 1 | 975? □ Yes □ No |
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | for recreation since 1 | 975? ☐ Yes ☐ No |
| ☐ Swimming☐ Wind surfing | ☐ Skin diving ☐ Kayaking | ☐ SCUBA diving ☐ Boating | | |
| ☐ Swimming ☐ Wind surfing ☐ Hunting | ☐ Skin diving ☐ Kayaking ☐ Trapping | ☐ SCUBA diving ☐ Boating ☐ Fishing | ☐ Tubing ☐ Wading ☐ None of the above | ☐ Water skiing |
| ☐ Swimming ☐ Wind surfing ☐ Hunting | ☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than 5 ☐ 1 - 5 times ☐ Less than 1 | ☐ SCUBA diving ☐ Boating ☐ Fishing ved it being used for times per year | ☐ Tubing ☐ Wading ☐ None of the above or recreation? | ☐ Water skiing ☐ Rafting |

WBID # 1648 _ Site # <u>892</u>

Date: 06 / 21 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

| Latitude (ddd.dddd): Longitude (ddd.dddd) | • • • • • | | | Arrival Time: | |
|---|------------------------|------------------|-----------------|---|-------------------|
| Longitude (ddd.dddd) Photo Ids: Upstream | · 091.53267 A | CC: 31.5FT | | 1518 | • |
| Photo Ids: Upstream | : 0574 | Downstream: | 0575 | Other: | |
| | | | 0576- Acu | 7.} S | |
| anne 41 D | | | | | |
| AT CA DESCRIPTION | of Location: (D | escribe access I | oint to stream, | nearby roads, landmarks, et | c) |
| AT CA 258 MOAD | CROSSING. | | | , | · · · |
| | | | | | |
| | | | | | |
| rrounding Conditio | ons*: (Mark all that | promote or im | ede recreations | l uses. Attach photos of evi | |
| ns of interest.) | | | ode recreationa | ruses. Attach photos of evi | dence or unusual |
| ☐ City/county parks | ☐ Playgrounds | ☐ MDC cor | servation lands | ☐ Urban areas | |
| ☐ Boating accesses | ☐ State parks | ☐ National i | | | ☐ Campgrounds |
| ☐ No trespass sign | ☐ Fence | ☐ Steep slop | | ☐ Nature trails | ☐ Stairs/walkway |
| | | ☐ Steep stop | es | Other: AGMICULT | ORE |
| man Uses Observed | ! *: | | | LSEE PHO | 705 0574 - 0575 |
| ☐ Swimming | ☐ Skin diving | □ SCI | BA diving | | |
| ☐ Wind surfing | ☐ Kayaking | □ Boat | | ☐ Tubing | ☐ Water skiing |
| ☐ Hunting | ☐ Trapping | | | □ Wading | ☐ Rafting |
| Describe: (include numb | er of individuals reco | Fishi Faquer | ng | None of the above documentation of evidence | ☐ Other: |
| ence of Human Use | | | | | decs, ci |
| Roads | ☐ Foot paths/print | s 🗆 Doc | k/platform | | |
| Rope swings | ☐ Camping Sites | ☐ Fire | | ☐ Livestock Watering | ☐ RV / ATV Tracks |
| Other: | | | proring | ☐ NPDES Discharge | ☐ Fishing Tackle |
| | trash dumning tire | es drainages di | scharges at) | | |
| ces of Pollution: (e.g チハナとりしていんで つっさぎ の | 110 0574 - 05 | 75 | scharges, etc.) | | |

06/21/2006

| ate: <u>06 /</u> | 21 / 2006 | | | | 4 |
|---|---------------------------------|--|---|----------------|-----------------------|
| | Dat | a Sheet B - Site CI | naracterization – 2 | 2 of 3 | |
| ream Mor Upstream | phology: a View Physical Din | | | | |
| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m |
| ☐ Riffle | | | | g 1 () | wax Depth (m |
| □ Run | | | | | |
| | | | | | |
| ☑ Pool | 0 | 3.0 | | 2.21 | |
| □ Flow | Present? | 3.0 No | Velocity (ft/sec): | 0.26 | 0.27 |
| □ Flow Downstrea | | Ŋ No | Velocity (ft/sec): | Avg. Depth (m) | |
| ☐ Flow Downstrea ☐ Riffle | Present? | imensions: 0.42 | Velocity (ft/sec): | | 0.27 Max Depth (m) |
| □ Flow Downstrea | Present? | imensions: 0.42 | Velocity (ft/sec): | Avg. Depth (m) | Max Depth (m) |
| ☐ Flow Downstrea ☐ Riffle ☐ Run | Present? | Vimensions: 0.42, Width (m) | Velocity (ft/sec): | | |
| ☐ Flow Downstrea ☐ Riffle ☐ Run ☐ Pool ☐ Flow strate*: (1) | Present? | WNo Pimensions: 0.42, Width (m) 4,8 No up to 100%.) | Velocity (ft/sec): O-39, 0-35 Length (m) 4.0 Velocity (ft/sec): | Avg. Depth (m) | Max Depth (m) |

Water Characteristics*: (Mark all that apply.)

| | istics . (Wark a | III that apply.) | | | | |
|----------------------|------------------|------------------|----------------|---------|----------|--|
| Odor: | ☐ Sewage | ☐ Musky | ☐ Chemical | ☑ None | | |
| Color: | □ Clear | Green | | | ☐ Other: | |
| Bottom Deposit: | | | ☐ Gray | □ Milky | ☐ Other: | |
| | Sinage | ☐ Solids | Fine sediments | □ None | ☐ Other: | |
| Surface Deposit: | □ Oil | □ Scum | □ Foam | | □ Other: | |
| | | _ ocum | □ roam | ☑ None | ☐ Other: | |
| is information is no | | _ | | | | |

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # | 648 | Site # | 892 Date: 06 / 21 / 2016

Data Sheet B - Site Characterization - 3 of 3

| Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local | |
|--|---|
| | |
| | |
| | _ |
| | |
| | _ |
| | _ |

WBID #____1648____ Site #_____81⊋

Date: 06 / 21 / 2014

NONG

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

| If so, plea | ase check ALL | us water body for r that apply: | recreation since 1975? | ☐ Yes ☐ No |
|----------------------------|---------------|---|------------------------|-----------------|
| ☐ Swimming | ☐ Skin diving | ☐ SCUBA diving | ☐ Tubing | ☐ Water skiing |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | □ Wading | ☐ Rafting |
| ☐ Hunting | ☐ Trapping | ☐ Fishing | ☐ None of the above | Other: |
| . Have you obse | | ng this water body | lease describe: | 975? □ Yes □ No |
| ☐ Swimming | ☐ Skin diving | □ SCUBA diving | ☐ Tubing | ☐ Water skiing |
| ☐ Wind surfing | ☐ Kayaking | ☐ Boating | ☐ Wading | ☐ Rafting |
| ☐ Hunting | ☐ Trapping | ☐ Fishing | ☐ None of the above | ☐ Other: |
| How often i G G G | 1 – 5 times | ved it being used fo times per year per year time per year – ple | | |
| Additional Com | nments: | | | |
| | | | | |
| | | | | |



Site# 887 Photo ID# 0581, Upstream



Site# 887 Photo ID# 0583, Trash



Site# 887 Photo ID# 0582, Downstream



Site# 887 Photo ID# 0584, Access



Site# 888 Photo ID# 0591, Upstream



Site# 888 Photo ID# 0593, Agriculture



Site# 888 Photo ID# 0592, Downstream



Site# 889 Photo ID# 0588, Upstream



Site# 889 Photo ID# 0589, Downstream



Site# 890 Photo ID# 0585, Upstream



Site# 889 Photo ID# 0590, Agriculture



Site# 890 Photo ID# 0586, Downstream



Site# 890 Photo ID# 0587, Drainage pipe



Site# 891 Photo ID# 0578, Downstream



Site# 891 Photo ID# 0577, Upstream



Site# 891 Photo ID# 0579, Bucket



Site# 891 Photo ID# 0580, Access



Site# 892 Photo ID# 0575, Downstream



Site# 892 Photo ID# 0574, Upstream



Site# 892 Photo ID# 0576, Access